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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/510,340	10/05/2004	Yukihiko Taguchi	018842.1318	8369
24735 BAKER BOTT	7590 03/15/200 'S LLP	7	EXAM	INER
C/O INTELLE	CTUAL PROPERTY I	DEPARTMENT	HAMO, P	ATRICK
THE WARNER, SUITE 1300 1299 PENNSYLVANIA AVE, NW			ART UNIT	PAPER NUMBER
	N, DC 20004-2400			
SHORTENED STATUTOR	Y PERIOD OF RESPONSE	NOTIFICATION DATE	DELIVERY MODE	
3 MO	NTHS	03/15/2007	ELECT	RONIC

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

Notice of this Office communication was sent electronically on the above-indicated "Notification Date" and has a shortened statutory period for reply of 3 MONTHS from 03/15/2007.

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usptocorrespondence@bakerbotts.com oneka.davis@bakerbotts.com darlene hoskins31@msn.com

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	Application No.	Applicant(s)	
	10/510,340	TAGUCHI, YUKIHIKO	
Office Action Summary	Examiner	Art Unit	
	Patrick Hamo	3746	
The MAILING DATE of this communication app Period for Reply	pears on the cover sheet w	ith the correspondence address	,
A SHORTENED STATUTORY PERIOD FOR REPL WHICHEVER IS LONGER, FROM THE MAILING D - Extensions of time may be available under the provisions of 37 CFR 1.1 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period Failure to reply within the set or extended period for reply will, by statute Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNIO 136(a). In no event, however, may a r will apply and will expire SIX (6) MON e, cause the application to become AB	CATION. reply be timely filed ITHS from the mailing date of this communicat BANDONED (35 U.S.C. § 133).	
Status			
1) ☐ Responsive to communication(s) filed on <u>05 C</u> 2a) ☐ This action is FINAL . 2b) ☐ This 3) ☐ Since this application is in condition for alloware closed in accordance with the practice under E	s action is non-final. nce except for formal matt	· ·	is
Disposition of Claims			
4) ☐ Claim(s) <u>1-4</u> is/are pending in the application. 4a) Of the above claim(s) is/are withdra 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) <u>1-4</u> is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) are subject to restriction and/or			
Application Papers	,		
9)☐ The specification is objected to by the Examine 10)☑ The drawing(s) filed on <u>05 October 2004</u> is/are Applicant may not request that any objection to the Replacement drawing sheet(s) including the correct 11)☐ The oath or declaration is objected to by the Example 11.	: a) ☐ accepted or b) ☑ o drawing(s) be held in abeyar tion is required if the drawing	nce. See 37 CFR 1.85(a). (s) is objected to. See 37 CFR 1.121	• •
Priority under 35 U.S.C. § 119			
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority document 2. Certified copies of the priority document 3. Copies of the certified copies of the prio application from the International Burea * See the attached detailed Office action for a list	ts have been received. ts have been received in A rity documents have been u (PCT Rule 17.2(a)).	pplication No received in this National Stage	
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08)	Paper No(s	Summary (PTO-413) s)/Mail Date nformal Patent Application	
Paper No(s)/Mail Date <u>4 Feb 05, 2 Mar 05, 23 Aug 05</u> .	6) Other:		· ·

DETAILED ACTION

Drawings

Figures 3 and 4 should be designated by a legend such as --Prior Art-- because only that which is old is illustrated. See MPEP § 608.02(g). Corrected drawings in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. The replacement sheet(s) should be labeled "Replacement Sheet" in the page header (as per 37 CFR 1.84(c)) so as not to obstruct any portion of the drawing figures. If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1 and 4 are rejected under 35 U.S.C. 102(b) as being anticipated by Kimura et al., 5,588,807.

Kimura '807 discloses a swash plate type variable displacement compressor with a discharge chamber 4b, a suction chamber 4a, and a crank chamber 2a, a displacement control valve (figs. 1, 5, 6) disposed in a discharge pressure supply passageway (23, 24), a fixed restriction orifice Oa in part of a pressure relief passageway 23, 24 formed within the control valve (see fig. 5), the control valve being

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controlled in opening/closing operation to adjust a pressure in the crank chamber to control a piston stroke (col. 3, II. 18-65), wherein parts of the discharge pressure supply and pressure relief passageways are formed as a common passageway 24 communicating with an end of the crank chamber.

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Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 1-3 are rejected under 35 U.S.C. 103(a) as being unpatentable over applicants' admission in view of Kimura '807.

Applicant discloses that there is known in the prior art a variable displacement compressor 50 having a discharge chamber 64, suction chamber 65, crank chamber 55, discharge pressure supply passageway (p. 4, II. 8-10) with control valve 10 within this passageway, a pressure relief passageway (p. 4, II. 10-12) with fixed orifice 83 within this passageway, the control valve being used ot adjust the pressure in the crank chamber and control a piston stroke (p. 2, I. 16 – p. 4, I. 7), wherein a part 66 of the discharge pressure supply passageway is formed through a bearing 77 for a compressor main shaft 56 and a part of the pressure relief passageway includes a gas chamber 84 formed at a shaft end extended portion of a compressor main shaft (fig. 3).

Applicants' own admission does not include the following claimed limitations taught by Kimura '807: a part of discharge pressure supply passageway 23, 24 and a

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part of pressure relief passageway 23, 24 are formed as a common passageway 24 in order to suppress the circulation of gas in the crank chamber, thus suppressing the discharge of lubricating oil (col. 6, ll. 6-11) thereby increasing the heat exchange effectiveness of the condenser and evaporator in the air conditioning assembly and increasing the compressor's cooling efficiency (col. 1, ll. 46-56).

Therefore it would have been obvious to one having ordinary skill in the art at the time the invention was made to have modified Kimura '026 with Kimura '807 in order to increase the cooling efficiency of the air conditioner (col. 1, II. 46-56).

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Patrick Hamo whose telephone number is 571-272-3492. The examiner can normally be reached on M-F 8:30-5.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ehud Gartenberg can be reached on 571-272-4828. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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MICHAEL KOCZO
PRIMARY EXAMINER

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